

**What is claimed is:**

1. A plasma display panel, comprising:  
an address electrode included in each discharge cell  
5 making a unit pixel of the plasma display panel;  
a plurality of second sustain electrodes positioned  
at each periphery of the discharge cell in a direction  
crossing the address electrode to receive a second  
sustaining pulse; and  
10 at least one of first sustain electrodes positioned  
at the center of the discharge cell in a direction  
crossing the address electrode to receive a first  
sustaining pulse applied alternately with respect to the  
second sustaining pulse.
- 15 2. The plasma display panel as claimed in claim 1,  
wherein the first sustain electrodes are provided between  
the second sustain electrodes.
- 20 3. The plasma display panel as claimed in claim 1,  
further comprising:  
a bus electrode arranged in parallel to the first  
sustain electrode at the center of the first sustain  
electrode.
- 25 4. The plasma display panel as claimed in claim 1,  
further comprising:  
bus electrodes arranged in parallel to the first  
sustain electrode at each edge of the first sustain  
30 electrode.
5. The plasma display panel as claimed in claim 1,  
further comprising:

two first sustain electrodes positioned at the center of the discharge cell and provided between the second sustain electrodes.

- 5 6. The plasma display panel as claimed in claim 1, further comprising:

a first barrier rib formed in parallel to the address electrode.

- 10 7. The plasma display panel as claimed in claim 6, further comprising:

a second barrier rib formed in a direction crossing the first barrier rib.

- 15 8. The plasma display panel as claimed in claim 7, wherein the second barrier rib is provided at an interface of the discharge cells.

- 20 9. The plasma display panel as claimed in claim 1, further comprising:

a scan/sustain driver connected to the first sustain electrode to apply the scanning pulse and the first sustaining pulse; and

- 25 a common sustaining driver connected to the second sustain electrode to apply the second sustaining pulse.

10. The plasma display panel as claimed in claim 1, further comprising:

30 a scan/sustain driver connected to the second sustain electrode to apply the scanning pulse and the second sustaining pulse; and

a common sustaining driver connected to the first sustain electrode to apply a reset pulse and the first

sustaining pulse.

11. The plasma display panel as claimed in claim 1, further comprising:

5 a dielectric layer formed in such a manner to cover the first and second sustain electrodes; and

at least two floating electrodes formed in parallel to the first and second sustain electrodes at the rear side of the dielectric layer.

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12. The plasma display panel as claimed in claim 11, wherein the floating electrodes are provided under the second sustain electrodes.

15 13. A method of driving a plasma display panel including a plurality of second sustain electrodes positioned at each periphery of a discharge cell, an address electrode arranged in a direction crossing the second sustain electrodes, and at least one of first sustain electrode  
20 formed in parallel to the second sustain electrodes between the second sustain electrodes, said method comprising the steps of:

applying a reset pulse to at least one electrode of the first sustain electrode and the second sustain  
25 electrodes so as to initialize the discharge cell;

applying a scanning pulse to the first sustain electrode so as to select the discharge cells to be turned on;

30 applying a data pulse synchronized with the scanning pulse to the address electrode; and

alternately applying the sustaining pulse to the first and second sustain electrodes so as to discharge the discharge cells to be turned on.

14. A method of driving a plasma display panel including a plurality of second sustain electrodes positioned at each periphery of a discharge cell, an address electrode  
5 arranged in a direction crossing the second sustain electrodes, and at least one of first sustain electrode formed in parallel to the second sustain electrodes between the second sustain electrodes, said method comprising the steps of:

10 applying a reset pulse to at least one electrode of the first sustain electrode so as to initialize the discharge cell;

applying a scanning pulse to the second sustain electrodes so as to select the discharge cells to be  
15 turned on;

applying a data pulse synchronized with the scanning pulse to the address electrode; and

alternately applying the sustaining pulse to the first and second sustain electrodes so as to discharge the  
20 discharge cells to be turned on.

15. A plasma display panel, comprising:

a sustain electrode pair provided at each edge of an upper substrate;

25 first and second trigger electrodes formed in parallel to the sustain electrode pair between the sustain electrode pair;

a dielectric layer coated on the entire surface of the upper substrate in such a manner to cover the sustain  
30 electrode pair and the first and second trigger electrodes; and

at least two floating electrodes formed in parallel to the sustain electrode pair at the rear side of the

dielectric layer.

16. The plasma display panel as claimed in claim 15,  
wherein the floating electrodes are provided under the  
5 sustain electrode pair.

17. The plasma display panel as claimed in claim 15,  
wherein each of the floating electrodes has a width  
smaller than the sustain electrode pair.

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